



2821

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: John H. Keller et al.
Serial No: 09/988,565
Confirmation No: 8886
Filed: November 20, 2001
For: EXTRACTION AND DECELERATION OF LOW ENERGY BEAM WITH LOW BEAM DIVERGENCE
Examiner: Tuyet Thi Vo
Art Unit: 2821

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TECHNOLOGY
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The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, Washington, D.C. 20231, on the 3rd day of April, 2003 .

Cheryl A. Purcell
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Commissioner for Patents
Washington, D.C. 20231

Sir:

RESPONSE TO RESTRICTION REQUIREMENT

In response to the Restriction Requirement mailed March 3, 2002, the following remarks are provided.

Restriction has been required in the present application between a Group I invention drawn to an ion optical apparatus including at least claims 1-16 and a Group II invention drawn to a deceleration lens system including at least claims 17-28. It is alleged that these invention are distinct from each other because the Group I invention relates to ion optical apparatus comprising accelerating and decelerating electrodes for producing ion beam in desired energy manner while the Group II invention relates to ion extraction or deceleration lens products utilizing accelerating and decelerating electrodes to attenuate ion beam shape to a target.

The Group I invention including at least claims 1-16 is elected with traverse for examination purposes in the present application. It is respectfully submitted that claims 17-23 are also drawn to the Group I invention of an ion optical apparatus for producing low energy beams and should be examined along with claims 1-16. In addition, it is respectfully requested that claims 24-28 be examined with claims 1-23 as there is not a serious burden on the Examiner to examine these claims when the Group I invention including at least claims 1-23 is examined.

Favorable consideration and an early notice of allowance are earnestly solicited.

It is respectfully requested that the undersigned attorney be contacted at 978-282-5915 to expedite examination of the present application.

In the event that any additional fees are necessary, such fees may be charged to Deposit Account No. 50-0896.

Respectfully submitted,
Keller et al., Applicants

By: 

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